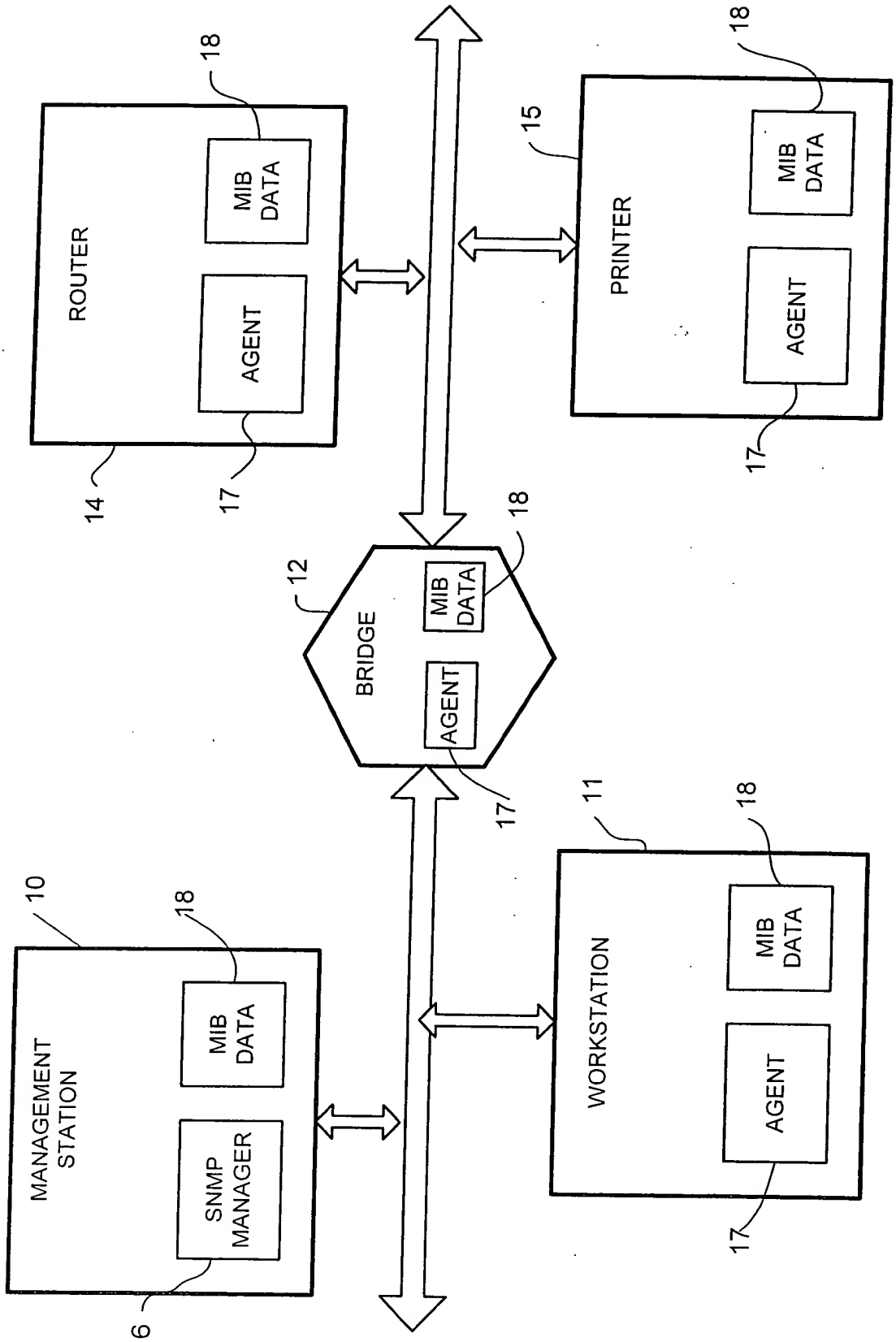
ROUTER
MIB DATA
AGENT
18
14
17
PRINTER
MIB DATA
AGENT
18
15
17
BRIDGE
MIB DATA
AGENT
18
12
17
MANAGEMENT STATION
MIB DATA
SNMP MANAGER
18
10
16
WORKSTATION
MIB DATA
AGENT
18
11
17

Fig. 1

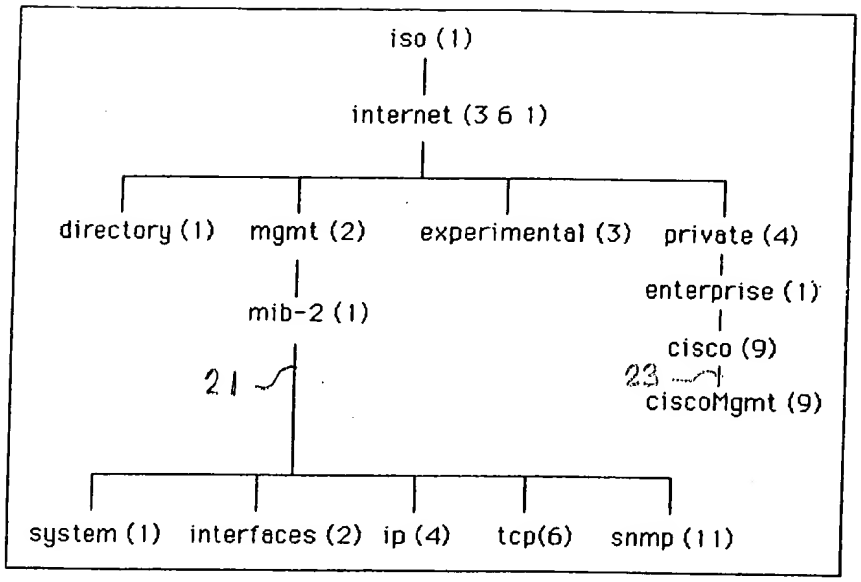
iso (1)
internet (3 6 1)
directory (1)
mgmt (2)
experimental (3)
private (4)
enterprise (1)
mib-2 (1)
cisco (9)
21
23
ciscoMgmt (9)
system (1)
interfaces (2)
ip (4)
tcp(6)
snmp (11)

FIG. 2

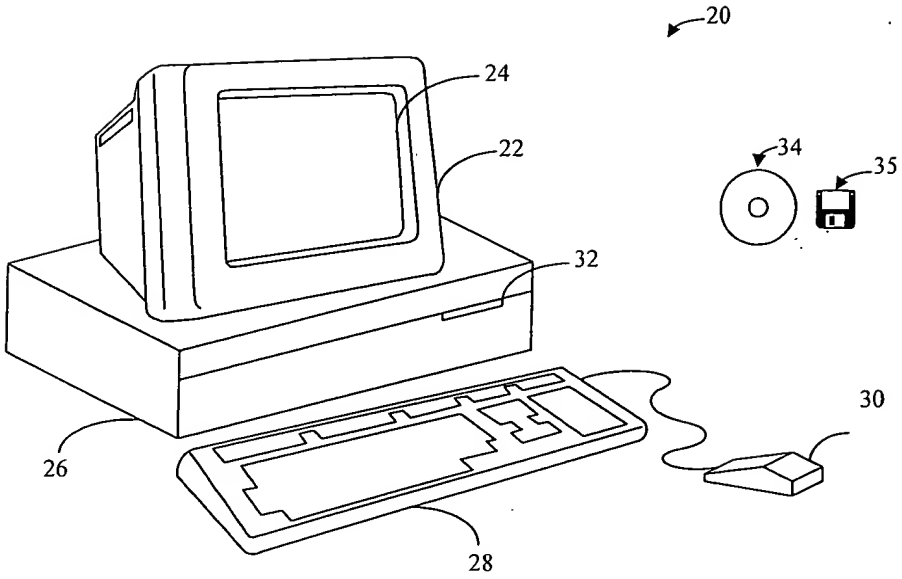
20
24
22
34
35
32
30
26
28

Fig. 3

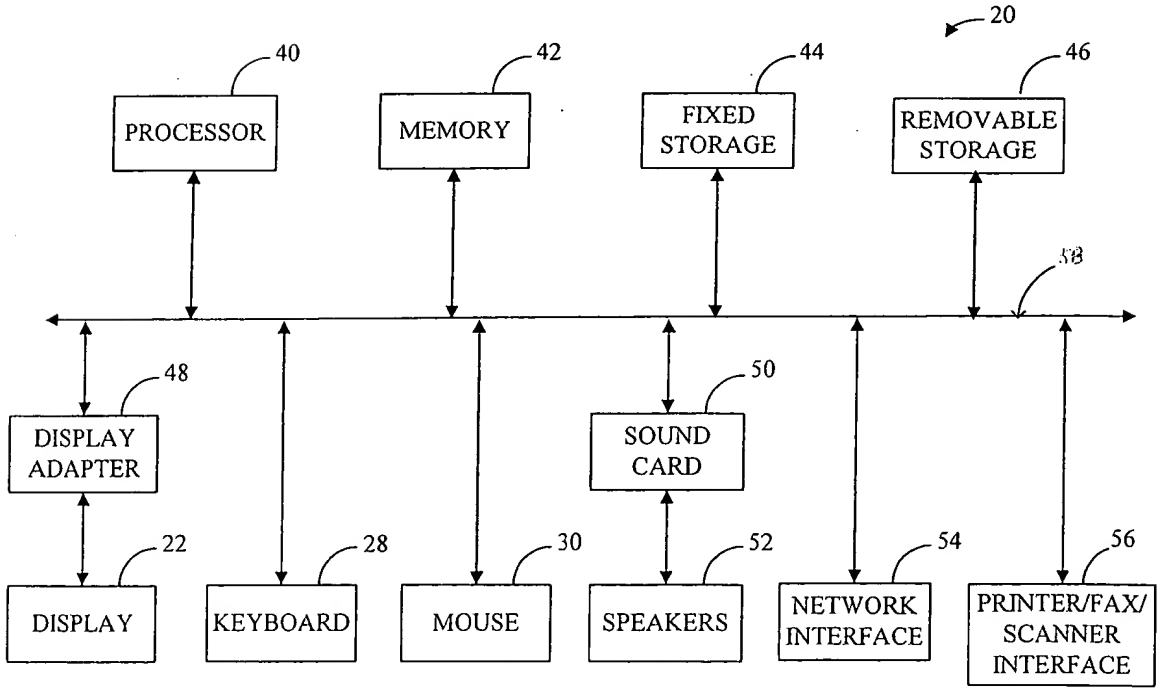
20
40
42
44
46
PROCESSOR
MEMORY
FIXED STORAGE
REMOVABLE STORAGE
48
50
DISPLAY ADAPTER
SOUND CARD
22
28
30
52
54
56
DISPLAY
KEYBOARD
MOUSE
SPEAKERS
NETWORK INTERFACE
PRINTER/FAX/ SCANNER INTERFACE

Fig. 4

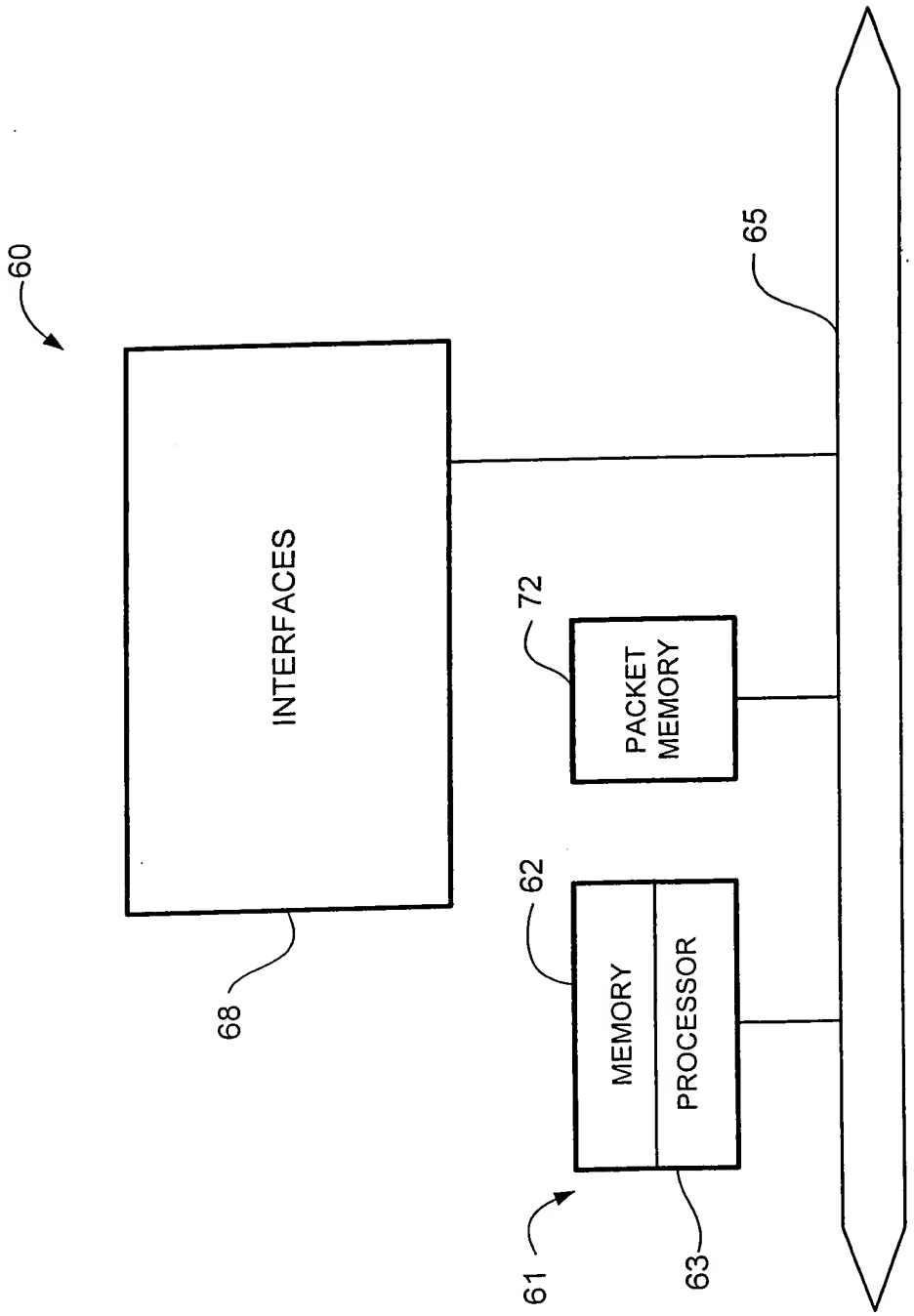
60
65
INTERFACES
68
72
PACKET MEMORY
62
MEMORY
PROCESSOR
61
63

Fig. 5

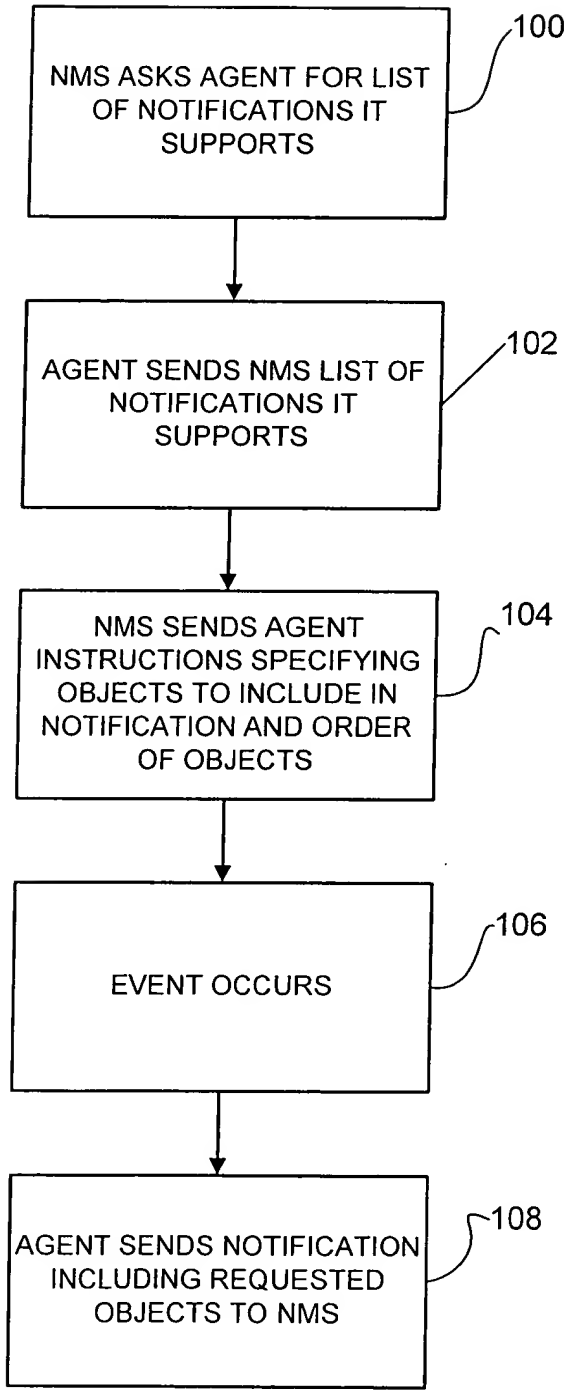
NMS ASKS AGENT FOR LIST OF NOTIFICATIONS IT SUPPORTS
100
AGENT SENDS NMS LIST OF NOTIFICATIONS IT SUPPORTS
102
NMS SENDS AGENT INSTRUCTIONS SPECIFYING OBJECTS TO INCLUDE IN NOTIFICATION AND ORDER OF OBJECTS
104
EVENT OCCURS
106
AGENT SENDS NOTIFICATION INCLUDING REQUESTED OBJECTS TO NMS
108

Fig. 6

NOTIFICATION INDEX	NOTIFICATION LIST
1	linkUp
2	linkDown
3	ciscoPingCompletion

FIG. 7

NOTIFICATION INDEX	VARBIND INDEX	VARBIND LIST
1	1	ifIndex
1	2	ifDescr
1	3	ifType
2	1	ifIndex
2	2	ifDescr
2	3	ifType
3	1	ciscoPingCompleted
3	2	ciscoPingSentPackets
3	3	ciscoPingReceivedPackets

FIG. 8

NOTIFICATION INDEX	VARBIND INDEX	VARBIND LIST
1	1	ifIndex
1	2	ifAdminStatus
1	3	ifOperStatus
1	4	IfDescr
1	5	IfType
2	1	ifIndex
2	2	ifAdminStatus
2	3	ifOperStatus
2	4	IfDescr
2	5	IfType
3	1	ciscoPingCompleted
3	2	ciscoPingSentPackets
3	3	ciscoPingReceivedPackets
.	.	.
.	.	.
.	.	.

FIG. 9